VERTICAL FREEZERS AND COOLERS INSTRUCTIONS OF INSTALLATION, OPERATION & MAINTENANCE

Before use, please read and follow all safety rules and operating instructions. CRYSTAL has a policy of continuous improvement on its products and reserves the right to change materials and specifications without notice.

1. SAFETY

This safety symbol alerts you of potential hazards.

To reduce the risk of fire, electrical shock, burns, personal injury, follow carefully the instructions with this symbol in § "4.Electrical connection".

DANGER / Do not clean or store therein containers with flammable liquids or gases. Their vapors may create fire or explosion hazard.

DANGER / Before proceeding with cleaning and maintenance operations, ensure that the power line of the unit is disconnected. Failure to do so can result in electrical shock, fire.

⚠ DANGER / Do not connect or disconnect the electrical plug when your hands are wet.

⚠ DANGER / The maintenance operations must be executed by an authorized technician.

MARNING / The fuse or circuit breaker size should be 16 Amperes.

WARNING / Do not use solvent cleaning agents or abrasive on the interior. These cleaners may damage or discolor the interior.

MARNING / If on your appliance there is a sticker with the symbol, means that the refrigerant containing appliance is R290 (propane) or R600a (isobutane), flammable hydrocarbon, environmentally friendly.

WARNING / Do not exceed the limitation of the horizontal or vertical red — load line to the internal of the appliance. If products are placed outside the limits of the load line, they might not be frozen/cooled successfully.

⚠ WARNING /

A C

⚠ WARNING / Do not damage the refrigerant circuit.

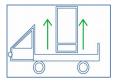
⚠ WARNING / Information regarding the maximum loading per shelf:

Note: NC=No Canopy / F= Frameless Door

Appliance	Kg/Shelf	Appliance	Kg/Shelf	Appliance	Kg/Shelf
CRF300 F, Mira, CRF400, CRF400 NC, CRF400 F, CRF400 3D, CRFV500, CRFV500 NC, CRFV500 F	30	CRTF70, CRW200P, CR300	35	Amazon 400 Economy, CRS930, SNAP70	40
Gelobox, Gelobox INOX, CR400, CR500, CR500 S.Z., CR1000	45	CRW400P, CR600, CRS1200	50	CR1300, CR2000, SNAP100, CRFV1200, CRFV1200 F,	60
CR800	70			CRFV2000, CRF2000 F	

2. TRANSPORTATION

Always transport the appliance in vertical position, as shown in Fig 1a. Do not transport the appliance in horizontal position, as shown in Figure 1b.



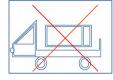


Fig 1a Fig 1b

Fig 2

3. INSTALLATION INTRUCTIONS

- 3.1 Before using your appliance:
- 3.1.a Remove the exterior and interior packing. In order to remove it from the pallet, use a screwdriver and unscrew and four screws, as shown in Fig 2.
- 3.1.b The user manual with the instructions of installation, operation & maintenance is enclosed in every appliance. Some appliances contain additional parts. Consult the table below to ensure that all the required parts are included in your appliance:

		Pieces											
Appliance	Level shelves	Floor shelves	Fittings	Handle	M5 screws	Decompression valve	Key						
Figures	3	3	3	4	4	5	3						
CR300, CR400, SNAP70, SNAP100	4	-	16	-	-	-	-						
CR500, CR600, CRS930, CRS930 CR1000, CRS1200, CR1300, CR2000, Amazon 400 Economy	5	-	20	-	-	-	-						
CR800	6	-	24	-	-	-	-						
CR500 S.Z.,CRFV500, CRFV500 NC	5	1	20	-	-	-	-						
CRFV500 F	5	1	20	1	2	-	-						
CRF300 F, CRF400 F, CRF400 3D, CRTF70	-	1	-	1	2	-	-						
Mira, CRF400, CRF400 NC	-	1	-	-	-	-	-						
CRFV1200	10	2	40	-	-	1	-						
CRFV1200 F	10	2	40	1	2	1	-						
CRFV2000	15	3	60	-	-	1	-						
CRFV2000 F	15	3	60	1	2	1	-						
Gelobox, Gelobox INOX	5	-	20	-	-	1	1						
CRW 200P, CRW 400P	2	_	8	_	-	_	1 -						







Fig 4. Handles, handle screws



Fig 5. Decompression valve

3.1.c To assembly the required parts, follow the steps, as described below:









Fig 6. Level shelf placement











Fig 7. Handle placement

Fig 8. Door locking

Fig 9. Decompression valve placement

- 3.1.d Before connecting the appliance to the power source, it is mandatory to let it stand upright for some time. By doing so, the possibility of a malfunction to the cooling system, by the transportation is reduced significantly.
- 3.1.e If needed, clean the interior surface and gasket with water using a soft cloth or sponge.
- 3.2 Installation of your appliance:
- 3.2.a Locate the appliance preferably in dry areas.

Only for appliances: CRFV500, CRFV500 NC, CRFV500 F, CRFV1200, CRFV1200 F. CRFV2000, CRFV200 F, CRF 300 F, Mira, CRF400, CRF400 NC, CRF 400 F, CRF400 3D, Gelobox, Gelobox INOX, CRTF70, Icebox24 GD, Icebox30:

Too much moisture in the air will cause frost to form guickly on the interior surface, requiring more frequent defrosting of the appliance.

- 3.2.b Locate the appliance away from direct sunlight and heat devices, such as: oven, radiator and other. This way the increase of electrical consumption will be avoided and the colors of plastic and metallic parts will be protected.
- 3.2.c Place the appliance on a horizontal floor that is strong enough to support the appliance, when it is fully loaded.
- 3.2.d Level the appliance from side to side and front to back by adjusting the 2 adjustable screw stands that are provided (except Icebox24 GD, Icebox30). Check the level of the appliance with a leveler, as shown in Fig 10.







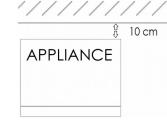


Fig 10. Level of the appliance

Fig 11. Spacing of the appliance

- 3.2.e Allow at least 10 cm of space in front of the engine compartment opening, to improve air circulation for compressor and condenser cooling, as shown in Fig 11.
- 3.2.f After plugging the appliance, allow the unit to cool down before placing products inside.

4. ELECTRICAL CONNECTION



WARNING / Fire-Electrical shock hazard.

Do not use extension cord. If you do, you can cause electrical shook, fire. If the power cord is too short, have a qualified electrician or service technician install an outlet near the appliance.



WARNING / Fire-Electrical shock hazard.

Plug the appliance into a grounded wall outlet. Do not remove ground. If you do, you can cause electrical shock, fire.

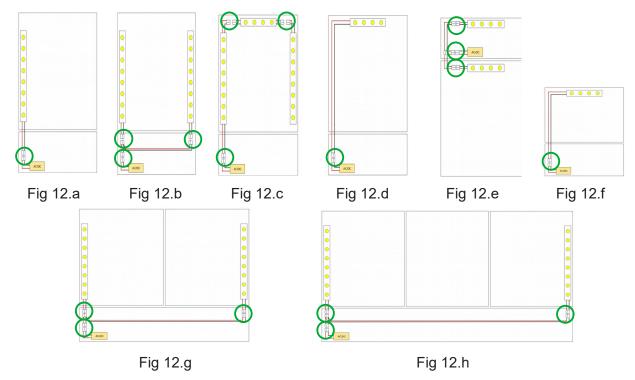


WARNING / Fire-Electrical shock hazard.

If the power cord is damaged, call an authorized electrician or service technician to replace it.

⚠ WARNING / Fire-Electrical shock hazard.

If the interior lighting is damaged, or not operating, have it replaced by an authorized electrician or service technician. Each different LED lighting connection is demonstrated:



On the following table, each appliance is linked to its corresponding LED lighting connection.

Appliance	Fig
Amazon 400 Economy	12.a
CR300, CR400, CR500, CR500 S.Z., CR600, CR800, CRF300 F, Mira, CRF400 NC, CRF400 F, CRFV500 NC, CRFV500 F, CRF400 3D	12.b
CRFV500, CRF400,	12.c
SNAP70, SNAP100	12.d
Icebox24 GD	12.e
CRTF70	12.f
CRS930, CR1000, CRS1200, CR1300, CRFV1200, CRFV1200 F	12.g
CR2000, CRFV2000, CRFV2000 F	12.h

4.1 LED lighting replacement procedure







Fig 13.b



WARNING / Fire-Electrical shock hazard.

Before any actions, unplug the power supply(Fig 13.a)! The disconnection presented in Fig13.b referred to the connection point marked with circles on Fig12.a – Fig12.h. To install the new LED lighting, follow the presented steps with the reversed orded.



WARNING / Fire-Electrical shock hazard.

Plug the appliance into a grounded wall outlet. Do not remove ground. If you do, you can cause electrical shock, fire.



WARNING / Fire-Electrical shock hazard.

The position of the light switch and the thermostat is presented on the following table and corresponding figures, for each appliance:

Appliance	Light switch	Mechanical thermostat	Electronic thermostat	Fig 14.
SNAP70, SNAP100	✓		✓	а
Icebox24 GD, Icebox30	✓	✓		b
CRTF70		✓		С
CRW 200P, CRW 400P		✓		d
Other appliances			✓	е











Fig 14.a

Fig 14.b

Fig 14.c

Fig 14.d

Fig 14.e



WARNING / Fire-Electrical shock hazard.

If the light switch, or thermostat gets wet, or is not operating, have it replaced by an authorized electrician. If not, you can cause electrical shock, fire.

5. TEMPERATURE CONTROL AND ADJUSTMENT

- 5.1 When the appliance is turned on for the first time, let it operate for a few minutes. This will ensure that the cabinet is thoroughly chilled, before products are placed inside. During this time, the compressor will operate constantly. This is normal.
- 5.2 The thermostat is located, according to figures 14.a-14.e.
- 5.3 The thermostat is presetted by the manufacturer and typically can cover regular needs. However, if it is necessary, the manufacturer's settings can be modified.
- 5.3a Mechanical Thermostat(figures 14.b,14.c,14.d): The position of the mechanical thermostat can by adjusted by turning the knob clockwise, from position No.1, which is the warmest temperature set point, to position No.7, which is the coldest temperature set point. The recommended thermostat set position is between positions No.3 and No.4.
- 5.3b Electronic thermostat(figures 14.a,14.e): The set point of the electronic thermostat, the activation of manual Defrost, the Standby and the Auxiliary function can be adjusted

UP BUTTON



Press and release: Scroll menu, increase values Press for at least 5 sec:

a) Activation of Manual Defrost function:

Only for appliances: CRFV500, CRFV500 NC, CRFV500 F,

CRFV1200, CRFV1200 F, CRFV2000, CRFV2000 F, CR500 S.Z., SNAP70, SNAP100.



b) Activation of Energy Saving Mode: Only for appliances: CRFV500, CRFV500 NC, CRFV500 F, CRFV1200, CRFV1200 F, CRFV2000, CRFV2000 F, CRF300 F, Mira, CRF400, CRF400 NC, CRF400 F, CRF400 3D, Amazon 400 Economy, CR300, CR400, CR500, CR500 S.Z., CR600, CR800, CRS930, CR1000, CRS1200, CR1300, CR2000.

DOWN BUTTON

Press and release:

a) Scroll menu items, decrease values

b) ON/OFF lighting: Only for appliances: CRFV500, CRFV500 NC, CRFV500 F, CRFV1200, CRFV1200 F, CRFV2000, CRFV2000 F, CRF300 F, Mira, CRF400, CRF400 NC, CRF400 F, CRF400 3D, Amazon 400 Economy, CR300, CR400, CR500, CR500 S.Z., CR600, CR800, CRS930, CR1000, CRS1200, CR1300, CR2000, SNAP70, SNAP100.



STAND-BY BUTTON

Press and release: Return to the previous menu

Press for at least 5 sec: Activates the Standby function(ON/OFF)



SET (ENTER) BUTTON

Press and release:

a) Setpoint display and confirm, or change, parameter value with UP and DOWN buttons

b) Displays alarms(if active),

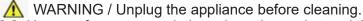
Press for at least 5 sec: Open user's menu for adjusting parameters. We strongly recommend that this action should only be executed by an authorized technician.

- 5.4 To turn the appliance off:
- 5.4.a Mechanical thermostat: Turn the thermostat knob to 0
- 5.4.b Electronic thermostat: Activate the Standby function to OFF.

WARNING / By turning off the thermostat, the cooling cycle is interrupted, but the power supply to the appliance does **not** shuts down.

6. DEFROST AND CLEANING OF THE APPLIANCES

6.1 When frost has build up to about 10mm thickness, manual defrost should be activated and the appliance should be cleaned. If the area has exceeding moisture, the appliance may need defrosting and cleaning more frequently.



6.2 Use a soft sponge or cloth to clean the gasket and the interior.

MARNING / Do not apply electrical devices, such as fans, hair dryers, etc for faster defrosting. If you do, you can cause electrical shock, fire.

- 6.3 Remove all frozen products before defrosting. Place the frozen products in another appliance or a cool area.
- 6.4 Leave the door open.
- 6.5 Open the defrost water drain tap(located on the inner bottom) and use a large sponge to remover water faster.
- 6.6 Use a plastic scraper to remove frost more effectively.

DANGER / Do not use a knife, or any other sharp tool for defrosting, or cleaning. You can cause damage to either yourself, or the appliance.

- 6.7 When the interior of the freezer is dry, replace the water drain tap.
- 6.8 Close the door.
- 6.9 Plug in and turn on the freezer for at least 1 hour before placing the removed frozen products.

7. MAINTENANCE

- 7.1 If the appliance does not work, or if it does not work properly, before calling for service, see the troubleshooting guide on §12.TROUBLESHOOTING GUIDE
- 7.2 Depending on the type of the condenser, different actions shall be taken.
- 7.2.a Copper tube-aluminum sheet condenser(Fig 15.a): If the condenser has dirt or dust on the aluminum sheet, a soft paint brush or vacuum cleaner can be used to remove it. It is recommended that the condenser should be cleaned every 6 months.

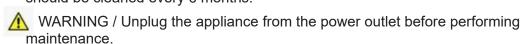




Fig 15.b

7.2.b Wire-On-Tube(WOT) condenser(Fig15.b): Free on maintenance condenser.



MARNING / Other maintenance actions can be proceeded only by authorized technicians.

8. WATER CONDENSATION ON THE DOORS

- 8.1 If the relative humidity of the place where the appliance is placed is below 55% relative humidity, water condensation does not form on the glass surface, or the frame of the doors.
- 8.2 If the relative humidity exceeds 55%, a moderate water condensation on the glass surface, or the frame of the doors, is considered acceptable.

9. TIPS ON SAVING ENERGY

- 9.1 Install the application properly: Away from heat sources, direct sunlight, in a well-aired place and keeping at least 100mm of free space between the engine compartment and the nearest wall, or neighboring object.
- 9.2 Do not open the doors of the appliance for no reason. Also, make sure that the doors is closed properly.
- 9.3 Clean the interior tank, if needed. Defrost the appliances referred at §5.3.b, if needed.
- 9.4 Maintain the aluminum sheets of the copper tube-aluminum sheet condenser(Fig 15.a) clean.
- 9.5.a Only for appliances: CRFV500, CRFV500 NC, CRFV500 F, CRFV1200, CRFV1200 F, CRFV2000, CRFV2000 F, GELOBOX, GELOBOX INOX, CRW200P, CRW400P, Amazon 400 Economy, CR300, CR400, CR500, CR500 S.Z., CR600, CR800, CRS930, CR1000, CRS1200, CR1300, CR2000.
 - Do not place products close to the evaporator fan blade cover. If you do, you can block the correct air circulation.
- 9.5.b Only for appliances: CRFV500, CRFV500 NC, CRFV500 F, CRFV1200, CRFV1200 F, CRFV2000, CRFV2000 F, GELOBOX, GELOBOX INOX, CRW 200P, CRW 400P, Amazon 400 Economy, CR300, CR400, CR500, CR500 S.Z., CR600, CR800, CRS930, CR1000, CRS1200, CR1300, CR2000.
 - Do not attach products to the back sheet, the grid, or the air duct of the interior of the appliance. If you do, you can block the correct air circulation.

10. DISPOSAL RECYCLING PROCEDURE OF APPLIANCE

10.1 Under its normal operation, the appliance does not cause environmental pollution. At the end of its life expectancy, or in any other case of possible disposal, we suggest the following procedures:



This symbol on the product, or on the packaging indicates that the product should not be considered and disposed as household waste, but should be transported to the appropriate collection point for recycling of electrical and electronic equipment. By providing appropriate disposal of this product, you are helping to avoid potential negative consequences, which could result from its inadequate product disposal.

For more detailed information about recycling this product, contact your local waste disposal service, or the store where the product was bought.

- 10.2 Recommended procedure of disposal:
- 10.2.a Turn off the equipment and disconnect the power plug.
- 10.2.b Remove the lighting(§4.1) and discard it separately.
- 10.2.c Remove the control units and the electronic boards and dispose them separately.
- 10.2.d Disassemble all independent or moving parts (doors, grids, wheels, profiles, etc.) and separate them to homogeneous material characteristics.



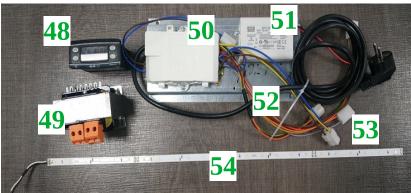
Fig 16

- 10.2.e Check the type of coolant on the rating plate(Fig16). Remove the refrigerant by disposing it through an authorized service facility. Be careful not to damage the cooling unit.
- 10.2.f Disassemble heat exchangers, fans, pipes, cables, etc. They consist of copper, aluminum, steel, which must be disposed separately.
- 10.2.g Once all the components have been removed from the body, separate the different types of materials (metal sheet, polyurethane, copper, aluminum, etc.)
- 10.2.h Each different plastic part of every appliance is demonstrated with numbered pictures. These pictures correspond to a table, in which the material type and the position of the part onto the appliance can be found for every model.





















				Common parts	CRFV 500	CRFV 500 NC	CRFV 500 F	CRFV 1200	CRFV 1200 F	CRFV 2000	CRFV 2000 F	MIRA	CRF300 F	CRF400	CRF400 F	CRF400 3D	Gelobox, Gelobox INOX	CRTF 70	Icebox24 GD	Icebox30	Amazon 400 Economy	CRS930, CRS1200	CR300, CR400,	CR500, CR600, CR800	CR1000, CR1300, CR2000	CR500 S.Z.	JAP70, SNAP100	CRW 200P,
_	Description Evaporator cover	Position Internal cabinet	Material PS	ŏ	<u></u> ✓	<u>∵</u>	<u>∵</u>	<u>∵</u>	<u>∵</u>	<u>∵</u>	√ ✓	Σ	Ö	ָל י	0	Ö	0 0	Ö	<u> </u>	<u>0</u>	ΑÄ	5		<u>5 5</u> ∕	√ √	<u>∵</u>	Ş	5 5
	Grid	Engine room	PS PS		•	•	•	•	•	•	•											•	'	_	•	•	/	•
	Door cover	Door	PS									1															Ť	
		Internal cabinet	ABS										1	/ .	1	1												
5	ront canopy part	Canopy	PC		1									/														
6	Side canopy part	Canopy	ABS		1									/														
7	Glass door frame part	Door	ABS		1	1	1	1	1	1	1	1	1	/ .	′ ✓	1		1	1		/			/	1	1		
8	Metal sheet connection profile	Internal cabinet	ABS		1	✓	1	✓	1	1	✓	1	1	/ •	/	1	✓		1		/	✓	,	/	✓	✓	1	1
9	Casing frame	Insulation wall	ABS																	✓								
	Door gasket	Door	EPDM		✓	✓	✓	✓	✓	✓	✓	✓	/	/ •	′ ✓	1	✓	✓	1	✓	✓	✓		✓	✓	✓		1
	Cable/suction cover	Internal cabinet	ABS														,				/		,	/		✓		✓
	Gasket holder	Door	ABS													,	/											
	-	Insulation wall Door	ABS ABS													1						1						
	Sliding door frame Sliding casing frame	Internal cabinet	ABS																			1						
		Internal cabinet	PC																			ľ					1	
		Internal cabinet	PVC		1	/	1	1	1	1	1	1	1	/ .	/ /	1	1				/	1		/	1	1	1	
	Orainage tub	Engine room	PP		Ť	Ť	Ť	Ť	Ť	Ť		Ť	•	Η,	Ť	Ť	•				-	1		· /	1	1	1	1
	Evaporator fan motor grid	External cabinet	ABS		1	1	1														-	Ė	· '			Ė	1	Ť
	Evaporator fan motor grid	External cabinet	ABS				Ĺ	1	1												1	1		/	1	1		1
21	Handle	Door	ABS															1				1						
22	ight switch	External cabinet	ABS																✓	1							1	
	Thermostat knob	Engine room	ABS															1	1	1								
	Thermostat knob	Internal cabinet	ABS																									/
	Cable fitting	Engine room	PA	1																								
	Cable fitting	Engine room	PA	1																						<u>.</u>		
	Cable passage fitting	Insulation wall	ABS		✓	✓	1	1	√	1	√	✓	/	١,	′ ✓	/					1	1		✓	1	1		
	Shelf hook	Internal cabinet	PA									/	-	/ ,	′ ✓			1										1
	Lower hinge cable passage	Door	PP				✓		1		√		✓		✓	1		1										1
	Brand name logo	Engine room	Silicon	1																						-		
	Grid	Engine room	PS		,	,	,	,	,	/	,						,	,			,	,				1		٠,
	Shelf coating	Internal cabinet Door	PE PP		1	1	·	1	1	1	/	/		/ ,	,		1	/			1	1		√ √	1	1		/
	Lower hinge cable passage Drainage hose pipe	Engine room	PE		1	1	1	1	/	1	/				/ /	/	-				1	1		/	1	/		/
	Condensation drainage part 1	Internal cabinet	ABS		1	1	1	1	/	1	1	•	•	' '	•	•					•	•	· '			•		- *
	Fie-wrap	Engine room	PA	/	Ť	Ť	Ť	Ť	•	•	•																	
	Condensation drainage part 2	External cabinet	ABS	Ť	1	1	1	1	/	1	/																	
	Orainage part	Insulation wall	ABS		Ť	Ť	Ė	Ė	Ť	Ť	Ť	1	1	/ ,	/ /	1					/	1		/	/	1		/
		Internal cabinet	ABS																			1		/	1	1		1
39	Thermometer	Internal cabinet	ABS															1										1
10	Height adjuster	External cabinet	PA		1	1	1	1	1	1	1	1	1	/ .	1	1	1	1			1	1		/	1	1	1	1
41	Compressor fitting	Engine room	PA	✓																								
42	nsulation cap	Engine room	ABS	✓																								
43	Orainage part cap	Internal cabinet	ABS									1		/ •	′ ✓	1					✓	1		✓	✓	1		1
	Handle	Door	ABS		✓	/		1	✓	✓				/ •			✓		✓		✓		,	✓	1	✓		
	Bag for manual and installation parts			1																								
	Pipe insulator	Internal cabinet	NRB	1																								
	Sheet insulator	Engine room	NRB		1	1	1	1	1																			
	Electronic thermostat	Engine room	ABS		1	1	1	1	/	1	1		1	/ •			1	,			/	1		✓	✓	/	1	
	Fransmittor terminal box	Engine room	Bakelite		1	1	1	1	1	1	1			/ •			1	1			,	,			,	,		١.
	Cables terminal box	Engine room	ABS		1	1	1	1	1	1	1			/ v			✓	/	,		\ \[\]	1		√ √	1	1	1	
	Lighting transmittor cover Electrical cables	Engine room Engine room	ABS PVC	1	V	-	-	·	·	*	*	٧	V .	′ '	-	V		·	·		· ·	'	'		· ·	'	'	
	Electrical cable fitting		PA	1																								
	Lighting cover	Engine room Internal cabinet			1	1	/	/	/	1	/	/	1	/ .	//	/		/	/		/	1		/	/	1	1	
	Front frame	External cabinet	PS PS		Ť	Ť	Ť	•	*	•	•	•	•	Τ,	•	*		1	•		•	*	<u>'</u>	•	•	Ť	Ť	
	Wheels	External cabinet	PP		1	1	1	/	1	/	1	1	1	/ .	1	1	1	•	1	/	/	1		/	/	1	/	1
	Mechanical thermostat part	Internal cabinet	ABS		Ť	Ť	Ť	Ė					•	Τ,	Ť	Ť	·		Ė		•	Ť	'			Ė	Ť	1
	Pump selection switch set	External cabinet	ABS																									/
	Wine flow seals	External cabinet	Rubber																									1
	Wine sac valve	Internal cabinet	ABS																									1
51	Wine faucet	External cabinet	ABS																									1
52	Handle	External cabinet	PP																									1
53	Wine hose pipe	Internal cabinet	Silicon																									1
54	Packaging bag	External cabinet	Nylon	✓																								
55	O-ring cable passage	Internal cabinet	Rubber																			1			✓			
56	Upper Hinge cover	External cabinet	PS									1																
	Courtain	External cabinet																									1	
	Compressor terminal cover	Engine room	ABS	✓																								
	Sanata and	External cabinet	ABS		✓	1	1	1	1	✓	1						✓											
59	Decompression valve																	1										
59 70	Packaging part Handle	External cabinet Door	EXP. PS PS															•										



All recyclable materials and waste must be treated and recycled professionally, in accordance with the instructions of the corresponding country. The company responsible for recycling must be registered and certified as a waste disposal service, in accordance with the specific instructions of the corresponding country.



Abusive disposal of the product by its owner imposes penalties and administrative measures as defined by the applicable regulations. Comply with the applicable laws regarding the disposal of refrigerants and oils.



For foam disposal, keep in mind that the polyurethane foams used are CFC, HFC and HCFC free.

10. WIRING DIAGRAM

The wiring diagram is printed on a sticker on the back side of the appliance, near the engine compartment.

11. CLIMATE CLASSES RATING

The climate class of the appliance is rated on the rating plate. The rating plate is located at the top of the right side of the interior of the appliance. To illustrate its approximate position, Fig 17 demonstrates the position of the rating place in CRF400.



Fig 17

12. TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	SUGGESTED SOLUTION
The appliance does not operate.	Not plugged in. The circuit breaker is tripped or fuse is blown. Compressor is out of order.	 Plug in the power supply. Replace the circuit breaker, or the fuse. Contact an authorized technician.
Temperature inside the appliance is too cold.	Thermostat is not set correctly or is out of order.	Advice §5.3 or contact an authorized technician for replacement.
Temperature inside the appliance is too warm / Compressor seems to run too long.	 A large amount of warm / unfrozen products might have been stored recently. The doors are not closed properly The condenser is covered with dust and dirt (only for condensers with aluminum sheets). The outside temperature is hotter than normal. There is no enough air circulation space in front of the engine 	1) Wait until the freezer reach its targeted temperature. 2) Make sure that the gasket is sealed properly to the interior. If that does not resolve the issue, contact an authorized technician to repair, or replace the gasket. 3) Advice §7. 4) Advice §3.2.b. 5) Advice §3.2.e.

	compartment openings. 6) The condenser, or evaporator fan motor is out of order. 7) Products are placed too close to the evaporator fan cover, blocking the air circulation. 8) Products are attached to the back sheet of interior of the appliance. 9) Ice has build-up on the evaporator aluminum sheets. 10) There is a refrigerant leakage in the refrigerant circuit.	6) Contact an authorized technician to replace the fan motor. 7) Advice an authorized technician to replace the refrigerant gas and seal the refrigerant circuit. 7) Advice §9.5.a. 8) Advice §9.5.b. 9) Advice §5.3. If that does not resolve the issue, contact an authorized technician. 10) Contact an authorized technician.
Popping or cracking sound when compressor comes on.	This is normal.	Sound will level off or disappear as the appliance continues to operate. If that does not resolve the issue, contact an authorized technician.
Bubbling or gurgling sound, like water boiling.	This is normal.	It is due to the refrigerant circulating.
Vibrations	The appliance is touching the wall. The appliance is not on a level surface.	Move it from the wall. Advice §3.2.d.
Moisture forms into frost on the interior surface of the appliance. Only for appliances: CRF300 F, Mira, CRF400, CRF400 NC, CRF400 F, CRF400 3D, CRFF70, Icebox 24GD, Icebox 30	1) This is normal. It is caused by the air flow to the interior of the appliance, when the door opens. 2) If the frost is significant, the doors might not have been closed properly.	2) Make sure that the gasket is sealed properly to the interior. If that does not resolve the issue, contact an authorized technician to repair, or replace the gasket.